

Control of the Coking Properties of Coal by
Iron Ores, Its Importance for Coal Dressing
and for the Production of Metallurgical Coke,
by H. Barking, C. Eymann.

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CSIRO 3594

Sci - Engr/Min/Met 192,081

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At the request of the Revolutionary Government of
Russia signed by the action of G-1000,
of H. P. Gerasimov, 4 91.

APPROVED, per, per at your BEST, and G-1000, 10 1,
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Letter from the
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ON THE PRODUCTION, GASIFICATION, AND
SMELTING OF IRON-RICH COKE IN THE MAKING
OF LEAN GAS. [Jan 53] 8p. (9 figs. omitted) 4 refs.
Order from SLA ml\$1.80, ph\$1.80 60-18301

Trans. of Glückauf (West Germany) 1952, v. 88
[no. 45/46] p. 1090-1094.

Full-scale trials have shown that the combination of the
production of iron-rich coke from suitable kinds of ore
with the gasification and smelting of iron-coke offers
the coking industry a new and economic method of mak-
ing more rich gas available by the substitution of lean
gas. The pig iron, which is simultaneously made, con-
siderably reduces the cost of producing gas for under-
firing. The valuable by-products are recovered. There
is no effluent containing phenol, and the gas produced is
free from tar and resin-formers. By using gas-coal
fines and iron-ore fines, a lumpy iron-coke is made,
and this, when smelted in the Thyssen producer, gives
pig iron and producer gas.

60-18301

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